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REPORT
ON THE
CENTRAL MUSEUM, NAGPUR
FOR THE YEAR
1920-21

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FROM

H. R. CROSTHWAITE, Esq., C.I.E., C.B.E.,

DIRECTOR OF INDUSTRIES,

Central Provinces and Berar,

TO

THE SECRETARY TO GOVERNMENT,

COMMERCE AND INDUSTRY DEPARTMENT,

Central Provinces.

Nagpur, the 19th December 1921.

SIR.

I have the honour to submit, herewith, the Report for 1920-21 on the Central Museum, Nagpur.

I have the honour to be,

Sir,

Your most obedient Servant,

H. R. CROSTHWAITE,

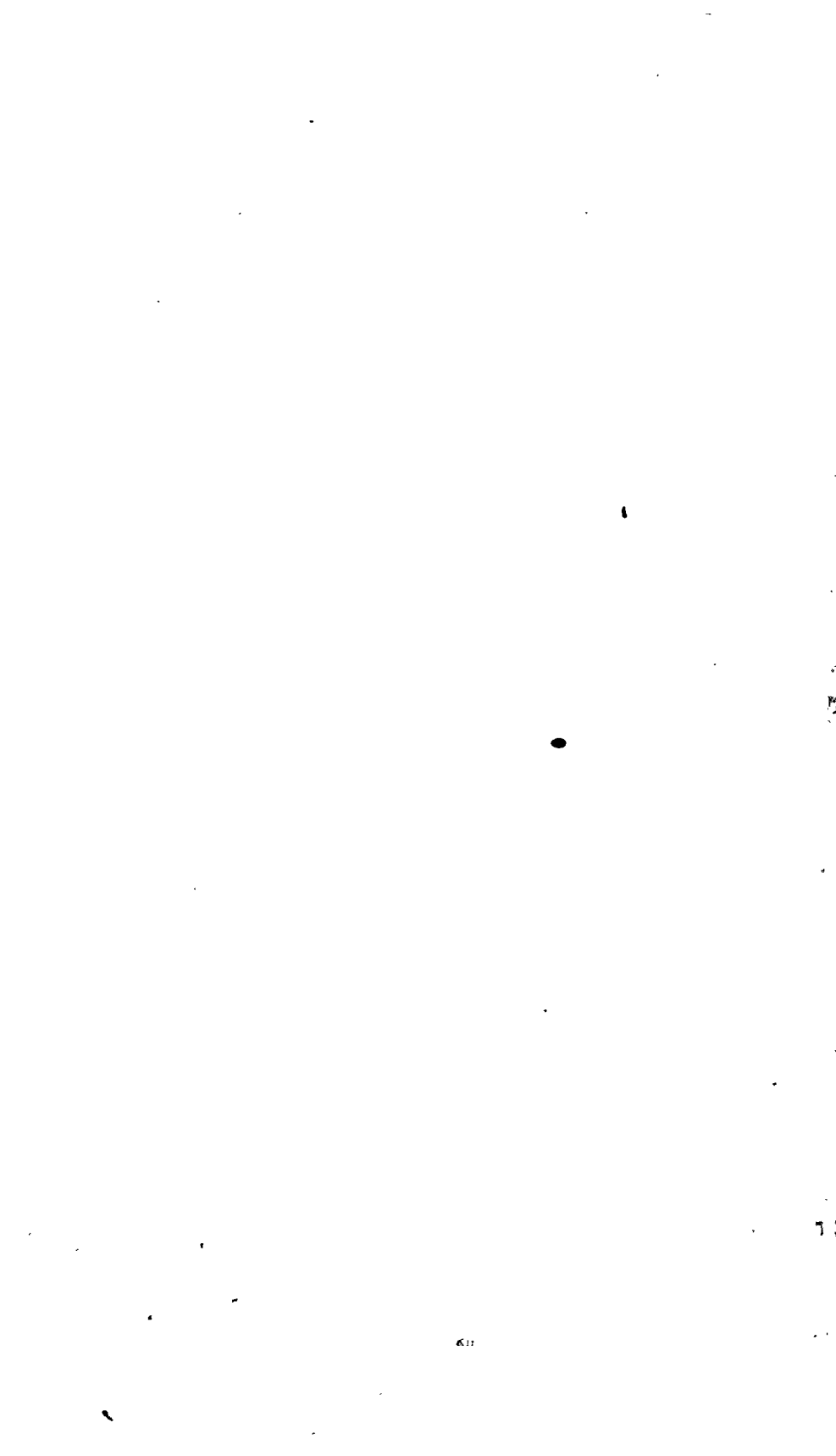
*Director of Industries,
Central Provinces.*

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Report of the Central Museum, Nagpur, for the year 1920-21.

I.—FINANCE.

The opening balance at the credit of the Museum Fund on the 1st April 1920, was Rs. 5,055-9-9 (Appendix A). The donation made by Government for the year under report was Rs. 4,380; the amount credited into the Treasury during the year towards the Museum Fund came to Rs. 222-6-0, making the total receipts under all heads, Rs. 9,657-15-9.

The expenditure incurred during the year under "contingencies" amounts to Rs. 5,771-13-10, including salaries and travelling allowances of servants paid from the Museum Fund and contingencies. The year closed with a balance of Rs. 3,886-1-11.

The total expenditure on the salaries and allowances of the permanent staff, including allowances, was Rs. 5,019-14-11.

II.—VISITORS.

The total number of visitors counted at the turnstile for the year was 199,115 (males 129,761 and females 69,354) against 151,933 during the previous year.

III.—GENERAL ARRANGEMENTS, ETC.

During the year under report the geological and forest exhibits were arranged in the Central Hall, but later they were removed into the east room. The collection of mammals, fish and reptiles in the east room was brought into the Central Hall, with the exception of the reptiles which were placed in the bird room. For want of accommodation the textiles have been placed temporarily in the Central Hall as well.

It was found desirable to close the Museum building to the public on two days in the month for dusting and general cleaning up. The days selected were the 1st and the 15th of every month, and this measure was brought into force from November, after duly notifying the fact in local newspapers.

IV.—ESTABLISHMENT.

The pay of the whole establishment has been revised.

V.—BUILDING.

Important additions to the building are hoped for, but nothing can be done until money can be provided. The Museum is now overcrowded.

VI.—ETHNOLOGICAL SECTION.

The ethnological collection of Gond exhibits made by Rai Bahadur Hira Lal in 1914, which consists of some 250 specimens, was placed on exhibition in the west wing of the building. Seven enlarged photographs of typical examples of the aboriginal tribes in the Central Provinces were also placed in the ethnological court.

Through the Director of the Forest School at Balaghat a number of ethnological exhibits, belonging to the forest tribes, were obtained and placed on exhibition.

A separate catalogue of all the ethnological exhibits in the Museum has been prepared, and photographs were taken of the Pola festival.

VII.—ARCHAEOLOGICAL SECTION.

No new additions have been made to this section. An old muzzle-loading arm was presented by the Deputy Commissioner of Saugor, and some arms used by the forest tribes of the Central Provinces were obtained from the Forest School at Balaghat. A catalogue of all the arms and armour in the Museum has been prepared, and photographs taken of the Gond remains at Deogarh in the Chhindwara District.

A pamphlet on the Ashti Inscriptions by the Coin Expert has been published.

VIII.—GEOLOGICAL SECTION.

This section, as stated before, was removed from the Central Hall and now occupies the east room of the building, along with the forest exhibits. The whole collection has been relabelled with printed labels.

The Director of the Geological Survey of India was requested to arrange for the development of this section and in October deputed Mr. C. S. Fox, of the Survey, to draw up a scheme.

Under this scheme the arrangement of the collection is, in 16 cases, as follows :—

Two cases to certain type minerals.

Two cases to certain type rocks.

Three cases to certain fossils.

Eight cases to certain economic substances as follows:—

- (1) Manganese ores and associated minerals and rocks.
- (2) Iron ores, ferruginous laterite and aluminous laterite (bauxite).
- (3) Limestones, dolomite, soapstones, glass sands, kaolin.
- (4) Ochres, fire-clay and coals.
- (5) Agates, jaspers, amethyst, cornelian, garnets mica.
- (6) Gold, copper ore, galena, barytes, fluorspar, calcite, tin, wolfram.
- (7) Ornamental building stones.
- (8) Road metal, kunkur, Lonar lake salts.

One case, to help students, containing a set of crystal models and display of minerals illustrating hardness, structure, cleavage and lustre.

All these changes have been carried out except the supply of the last case, the proposed contents of which must be obtained from England and America. Fifty-one specimens of typical minerals and ten typical rocks were obtained from the Director of the Geological Survey, and the following additions made to the collection :—

Specimen.		Locality.
Itacolumbite (flexible sandstone)	...	Jhind State.
Pink dolomite	...	Ramtek.
Dolomite	..	..
Pure granular dolomite	...	..
Kaolin	..	Balaghat.
Vredenburgite in psilomelane braunite rock	...	Beldongri, Nagpur.
Piedmontite, with manganese ore in limestone	...	Parseoni, Nagpur.
Galena	...	Arjni mine, Umrer tahsil, Nagpur. district.
Fire-clay	...	Khairi, Nagpur.
Calcite	...	Nagpur.
Selenium.	...	...
A few inter-trappean fossils	...	Mandla.

A set of District Gazetteers has been obtained for use in this section.

IX.—NATURAL HISTORY SECTION.

Mammals.—The collection was increased by 67 specimens and now includes a splendid series of the skins of wolves, wild dogs and jackals in various stages of growth and from all parts of the Provinces. They afford excellent material for study to anybody who has to recognise these animals before paying rewards for their destruction. A pamphlet on the differentiation of these animals has also been compiled. An important addition was the Gazelle-Antelope hybrid which was born and lived for some years in the Mahraj-bagh, where it was finally killed by a four-horned antelope which obtained access to its paddock. A lion cub, an otter, and a porcupine were also added to the collection.

Birds.—A large new case has been fitted up in the Bird Room of an improved type to match a similar case constructed the year previously. These cases show the contents to advantage and economise space. The following birds new to the collection were obtained during the year:—

Blue-tailed Bee-eater.
 Purple-rumped Sunbird.
 Large Indian Pratincole.
 Bombay Quaker Thrush.
 Southern Painted Partridge.
 Northern Rufus Woodpecker.
 Scaly-bellied Green Woodpecker.

The Museum is indebted to Mr. D. MacArthur, Irrigation Survey Division, Nagpur, for a collection of birds' nests and for the following local birds' eggs obtained from him by exchange of duplicates:—

Coot	...	In exchange for	Painted Snipe.
White-throated ground Thrush	...	do.	Pied Bush-chat.
Indian Wren-Warbler (white variety).	...	do.	
Indian Pitta	...	do.	Brown Rock-chat.
Black-naped Fly-catcher	...	do.	Indian Sky-lark.
Bay-backed Shrike	...	do.	Hoopee
Black Partridge	...	do.	Small Pratincole.
Rufus-fronted Wren-Warbler	...	do.	Syke's Crested Lark.
Brown Crake	...	do.	Singing Bush Lark.
Bristled Grass-Warbler	...	do.	Jungle Bush Quail.
Common Kingfisher	...	do.	Dusky Crag Martin.

Eggs of the Blue-tailed Bee-eater have also been secured.

A group of Button Quails, Tickel's Flower-pecker with nest, and a Peacock have been mounted for the show cases.

Ornithology.—A lecture on Economic Ornithology was given by me to the final year students of the Agricultural College.

Reptiles.—The Typhlopidae (Burrowing snakes) in the Museum were sent for examination to Colonel Wall, at his request. He verified their identification and recognised a few specimens of *Typhlops porroctus* amongst them. The only other specimens of this species are in the British Museum.

A set of local poisonous snakes was lent to the Robertson Medical School for lecture purposes, and a set of ten named snakes was presented to the Museum of the same institution. I also verified the identification of the snakes already in their possession.

A green Viper (*Lachesis gramineus*) from Pachmarhi and a large Russell's Viper (*V. Russellii*) were added to the collection and a small crocodile (*Gavia is gangeticus*) and an agamoid lizard (*Charasia blanfordiana*) mounted for exhibition.

Fish.—Local loaches and a collection of local mosquito larvicidal fish were added to the collection.

Mollusca.—The collection of local mollusca was relabelled with printed labels and the collection enlarged.

A diagram of an ideal mollusc was introduced into the show case.

Vivaria.—Some additions during the year were an exceptionally large water snake (*Troch. piscator*), a chameleon, a green tree snake and a cobra from Betul. The large Russell's Viper, which had lived in the vivaria for the last six years, died. The present position of the vivaria is not ideal for housing reptiles, and great care is necessary during the warmer and colder months.

X.—ENTOMOLOGICAL SECTION.

The Insect Gallery was increased by six compartments depicting named local forms of Coleoptera and Lepidoptera with descriptive labels. The families Pieridae, Lycaenidae, Hesperidae, Arctiidae, Amatidae, Noctuidae, Sphingidae and Saturnidae of the Lepidoptera and Scarabaeidae of the Coleoptera were dealt with.

Three compartments illustrating lepidopterous and coleopterous pests were also added. All the Sphingidae (Hawk-moths), Uraniidae, Geometridae, Hypsidae and Lymantriidae in the Museum were identified by me and labels prepared for the Sphingidae, Arctiidae, Scorpions, Solifugae and Araneae (Spiders). Labels have also been prepared for the Hemiptera and a number of these insects identified.

The following insects were sent to specialists in Europe for identification and return :—

Two consignments of Carabidae to Mr. H. E. Andrews (both returned). Curculionidae, Erotylidae, Endomychidae and Ruleini to Messrs. Marshall and Arrow at the British Museum (not yet returned). Histeridae to Mons. Desbordes of Paris. The latter named all but one of the specimens sent to him and also presented us with a number of specimens.

I identified a number of Dragon-flies and Noctuids while at Pusa during the 4th Entomological Meeting.

The Imperial Entomologist visited the Insect gallery in December and expressed his approval of the exhibits on display.

The cabinet collection has been increased.

XI.—INDUSTRIAL AND ECONOMIC SECTION.

A move was made to improve this section on commercial lines and manufacturers of local industries were asked to advertise their wares in the Museum. The larger firms took advantage of this, *e g.*, the Tapti Mills at Burhanpur sent 29 samples of mill-woven cloth, the Perfect Pottery Works, Jubbulpore, sent 31 exhibits of their pottery. The manufactures of minor village industries were naturally unwilling to exhibit their wares and several of these have been purchased and placed on exhibition. Noteworthy are the hand-woven cloths from Damoh and the dyed cloths from Sohagpur.

The specimens of leather, silk and cotton fabrics, scantlings, waxes and tobacco, were relabelled.

Tours.—I was on deputation from the 13th to 30th January as taxidermist to His Royal Highness the Duke of Connaught. In February I attended the meeting of the Board of Agriculture (Entomological Section) held at Pusa and also paid a visit to the Lucknow Museum.

A collecting trip was made to the Balaghat District in March. The Coin Expert visited Deogarh, District Chhindwara, and brought photographic negatives of the old Gond buildings.

E. A. D'ABREU,

Curator, Central Museum,

Nagpur.

APPENDIX A.

Receipts and charges under contingencies, including servants paid from contingencies and T. A. under the same head during the year ending 31st March 1921.

Details.	Actuals	Total.	Remarks.
<i>Receipts</i>			
Opening balance on 1st April 1920	5,055 9 9	...	
Allotment for 1920-21	4,380 0 0	...	
Amount credited into Treasury	222 6 0	...	
	..	9,657 15 9	
<i>Expenditure.</i>			
Miscellaneous and other contingent expenditure, including salaries and T. A. of servants paid from contingencies.	5,771 13 10	5,771 13 10	
	...	3,886 1 11	Balance on 31st March 1921.

APPENDIX B.

Statement showing the number of coins received in the Central Museum, Nagpur, for the Coin Cabinet during the year ending 31st March 1921.

Donor.	Gold.	Silver.	Copper.	Billon.	Lead.	Mixed metal.	Total.	Remarks.
Director of Industry, Central Provinces, Nagpur.	...	115	3	...	...	...	118	
Under Secretary, United Provinces, Allahabad.	...	4	...	...	...	...	4	
Under Secretary, Government of Bengal, Calcutta.	...	2	...	...	...	...	2	
Superintendent, Government Museum, Madras.	1	...	...	...	...	...	1	
	1	121	3	...	...	...	125	

APPENDIX C.





*Coins received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1920-21.*

I.-- OTHER THAN MOHAMMADAN COINS.

Serial No. and Metal.	No. of Coins.	Name of the King and Description.	Year and date.	Donor.	Locality where found.
1 A/	1	Viraraya Fanam ...	..	Government Museum, Madras.	Coimbatore.
2 R	1	Kota coin Pl. V III No. 17. "Currencies of Rajputana."	...	Director of Industries, Central Provinces	Saugor.

*List of Coins received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1920-21.*

II.--PATHAN SULTANS AND THEIR CONTEMPORARIES.

Serial No. and Metal.	No. of Coins.	Name of the King and Description.	Year and date.	Donor.	Locality where found.
		<i>Gujrat.</i>			
1 R	1	Muhammad III, I. M. C. II, XIII, 80.	961	Director of Industries, Central Provinces.	Balaghat.
2 "	1	Muhammad Shah III, X over 	961	"	"
3 "	1	Muhammad Shah III,  over 	...	"	"
4 "	1	Muhammad Shah III. over 	...	"	"

List of Coins received for the Coin Cabinet of the Central Museum, Nagpur during the year 1920-21.

III.—MOGHAL EMPERORS

Serial No. and Metal	No. of Coins	Name of King.	Mint.	Year and date.	Donor.	Locality where found.
1 A?	1	Akbar	Ahmadabad	44 Bahi Amar-dad.	Director of Industries, Central Provinces.	Saugor.
2	1	"	Jaunpur	977	"	Raipur.
3	1	"	Srinagar	48	"	"
4	1	Jahangir	Ahmadabad	1033 (I, M. C. 627)	"	Balaghat
5	1	"	Ahmadnagar	...	"	Raipur.
6	1	"	Akbar, agar	13 Farwardi	Under Secretary U. P., Allahabad	Mirzapur
7	1	"	Multan	1038-2x	Director of Industries, Central Provinces.	Raipur.
8	1	Jahangir and Nurjahan.	Surat	1035-2x	Under Secretary, Government of Bengal, Calcutta.	Jessore.
9	1	Shah Jahan	Bhilsa	?	Under Secretary U. P., Allahabad	Mirzapur
10	1	, square area	Lahor	1063-29 (26)	Director of Industries, Central Provinces.	Saugor.
11	1½	"	Patna	12	Under Secretary to Government of Bengal, Calcutta	Jessore
12	1	Aurangzeb	Ahmadnagar	10xx-28 year in ۱۰۳۱ on abv.	Director of Industries, Central Provinces	Saugor
13	1	"	"	1099-31	"	Wardha
14	1	"	Ajmer	1098-31	"	Buldana
15	1	"	Akbarabad	1088-21	"	Wardha.
16	1	"	"	1096-29	"	Saugor
17	1	"	"	xxx4-4x	"	"
18	1	"	"	1117-50	"	"
19	1	"	Etawa	1106-38	"	"
20	1	"	"	1108-40	"	"
21	1	"	Gulbarga	1098-xx	"	"

Serial No. and Metal.	No. of Coins.	Name of King.	Mint.	Year and date.	Donor.	Locality where found.
22 AR	1	Aurangzeb ..	Jahangirnagar.	1116-48	Director of Industries, Central Provinces.	Saugor.
23 "	1	" ..	Lahor ...	1098-31	"	"
24 "	1	" ..	Lakhnau ...	31	"	"
25 "	1	" ..	Patna ...	1095-28	"	Wardha.
26 "	1	" ..	Surat ...	2 ^c	"	Saugor.
27 "	1	" ..	" ...	1108-40	"	Amraoti.
28 "	1	" ..	" ..	1109-42	"	Saugor.
29 "	1	" ..	Tatta ...	11	"	Wardha.
30 "	1	" ..	" ...	1092-2x	"	"
31 "	1	" ..	Zafarabad ..	1099-31	"	"
32 "	1	Shah Alam I.	Allahabad ...	ahd	"	Saugor.
33 "	1	"	Azimabad ...	1121-ahd	Under Secretary, U. P., Allahabad.	Banda.
34 "	1	" ..	Etawa ...	1121-2	Director of Industries, Central Provinces.	Saugor.
35 "	1	" ..	" ...	1122-3	"	"
36 "	1	" ..	Kanunabad ..	5	Under Secretary, U. P., Allahabad.	Banda.
37 "	1	Jahandar Shah.	Surat ...	1124-ahd	Director of Industries, Central Provinces.	Saugor.
38 "	1	Farrukhsiyar ..	Akbarabad ..	4	"	"
39 "	1	" ..	Allahabad ...	1130-7	"	"
40 "	1	" ..	Azimabad ...	1128-4	"	"
41 "	1	" ..	Birhanpur ...	1125-2	"	"
42 "	1	" ..	" ...	1129-6	"	"
43 "	1	" ..	Etawa ...	1125-2	"	"
44 "	1	" ..	" ...	3	"	"
45 "	1	" ..	Gwalior ...	1130-7	"	"
46 "	1	" ..	Sarhind ...	3	"	"
47 "	1	Shah Jahan II.	Akbarabad ...	1131-ahd	"	"
48 "	1	Muhammad Shah.	" ...	2	"	"
49 "	1	" ..	" ...	1136-5	"	"

Serial No. and Metal.	No. of Coins.	Name of King.	Mint.	Year and date.	Donor.	Locality where found.
50 AR	I	Muhammad Shah.	Akbarabad ...	7	Director of Industries, Central Provinces.	Saugor.
51 "	I	" "	Akbarnagar (Traces of some letters after mint name).	113x-6	"	Buldana.
52 "	I	" "	Allahabad ...	3	"	Saugor.
53 "	I	" "	Arkat	1136-5	"	"
54 "	I	" "	" "	7	"	"
55 "	I	" "	Azimabad ...	1158-28	"	"
56 "	I	" "	Baraich ?	11xx-8 ^o	"	Buldana.
57 "	I	" "	Bareli	113x-3	"	Saugor.
58 "	I	" "	" "	115x-25	"	"
59 "	I	" "	Ellichpur	113x-2	"	"
60 "	I	" "	Etawa	6	"	"
61 "	I	" "	" "	19	"	"
62 "	T	" "	Gwalior	2 (?)	"	"
63 "	I	" "	" "	9	"	"
64 "	I	" "	" "	1151-25 (?)	"	"
65 "	I	" "	" "	115x-28	"	"
66 "	I	" "	Kora	2	"	"
67 "	I	" "	" "	3	"	"
68 "	I	" "	" "	1138-5	"	"
69 "	I	" "	" "	9	"	"
70 "	I	" "	" "	1146-15	"	"
71 "	I	" "	" "	20	"	"
72 "	I	" "	" "	28	"	"
73 "	I	" "	Muhammadabad Baneras.	114x-16	"	"
74 "	I	" "	" "	1158-27	"	"
75 "	I	" "	Murshidabad	15	"	"
76 "	I	" "	Sarhind	16	"	"
77 "	I	" "	Sawai Jipur	2	"	"

Serial No. and Metal.	No. of Coins.	Name of King	Mint.	Year and date.	Donor.	Locality where found.
78 AR	1	Muhammad Shah.	Shahabad-Qaraug.	16	Director of Industries, Central Provinces.	Saugor.
79 "	1	"	Shahjahanabad.	1134-4	"	"
80 "	1	"	"	1139-9	"	"
81 "	1	"	"	1148-9	"	Buldana.
82 "	1	"	"	1149-19	"	Saugor
83 "	1	"	"	1121-29 (sic) (1161 ^b)	"	Buldana
84 "	1	"	"	ahd	"	Saugor.
85 "	1	"	"	26	"	"
86 AE	1	"	Ellichpur	1139—	"	Amraoti
87 AR	1	Ahmad Shah.	Allahabad	1166-6	"	Saugor
88 "	1	"	Arkot	6	"	Buldana.
89 "	1	"	"	7	"	"
90 "	1	"	Balwantnagar.	3	"	Saugor.
91 "	1	"	Khujistabunyad	1161-ahd	"	Buldana.
92 "	1	"	"	1166-6	"	"
93 "	1	"	Mahmudabad-Baneras.	1163-2	"	Saugor.
94 "	1	"	"	1164-3	"	"
95 "	1	"	Murshidabad.	17	"	Amraoti.
96 "	1	Alamgir II	Allahabad	1168-2	"	Saugor.
97 "	1	"	"	5-1178-(sic)	"	"
98 "	1	"	Akot	4	"	Buldana.
99 "	1	"	Balwantnagar.	1167-ahd	"	Saugor
100 "	1	"	"	1171-5	"	"
101 "	1	"	Etawa	ahd	"	"
102 "	1	"	Khujistabunyad	1178-6	"	Buldana
103 "	1	"	Qandhar	1167-7 (sic)	"	"
104 "	1	"	Shahjahanabad.	1172 on both obv. and rev.	"	"
105 "	1	Shah Alam II.	Burhanpur	—	"	"

Serial No. and Metal.	No. of Coins	Name of King.	Mint.	Year and date.	Donor.	Locality where found.
100 A	1	Shah Alam II	Chhatarpur ...	3	Director of Industries, Saugor, Central Provinces.	
107 "	1	"	"	4	"	"
103 "	1	"	"	6	"	"
109 "	1	"	Khujistabunyah	1176-3	"	Ballina.
110 "	1	"	"	1774	"	"
111 "	1	"	"	1178-5	"	"
112 "	1	"	"	6	"	"
113 "	1	"	"	1180-7	"	"
114 "	1	"	Kora	2	"	Saugor.
115 "	1	"	"	3	"	"
116 "	1	"	"	4	"	"
117 "	1	"	"	6	"	"
118 A	1	"	"	1202-33	"	Amraoti.
119 "	1	"	"	1206-33	"	"

Govt. Press, ... 1908 D.P. of Ind - 22-11-20 - 220.

178/22

REPORT
ON THE
CENTRAL MUSEUM, NAGPUR
FOR THE YEAR
1921-22

*Agents for the sale of Books published by the Central Provinces
Administration.*

IN ENGLAND.

CONSTABLE & Co., 10, Orange Street, Leicester Square, London, W. C.
P. S. KING & SON, 9, Bridge Street, Westminster, London, S. W.
KEGAN PAUL, TRENCH, TRÜBNER & Co., 68/74, Carter Lane, London, E. C., and
39, New Oxford Street, London, W. C.
B. QUARTICH, 11, Grafton Street, New Bond Street, London, W.
GRINDLAY & Co., 54, Parliament Street, London, S. W.
DEIGHTON BELL & Co., LD., Cambridge.
B. H. BLACKWELL, 50 & 51, Broad Street, Oxford.
HENRY S. KING & Co., 65, Cornhill, London, E. C.
LUCAS & Co., 46, Great Russell Street, London, W. C.
W. THACKER & Co., 2, Creed Lane, London, E. C.
OLIVER & BOYD, Tweeddale Court, Edinburgh.
E. PONSORBY, LTD., 116, Grafton Street, Dublin.
T. FISHER UNWIN, LTD., 1, Adelphi Terrace, London, W. C.
WILLIAM WESLEY & SON, 28, Essex Street, Strand, London.

ON THE CONTINENT.

ERNEST LEROUX, 28, Rue Bonaparte, Paris.
MARTINUS NIJHOFF, The Hague.
OTTO HARRASSOWITZ, Leipzig.
FRIEDLANDER & SOHN, Berlin.

IN INDIA AND THE COLONIES.

THACKER, SPINK & Co., Calcutta and Simla.
NEWMAN & Co., Calcutta.
R. CAMBRAY & Co., Calcutta.
S. K. LAHIRI & Co., Calcutta.
BUTTERWORTH & Co. (INDIA), LTD., 8-2, Hastings Street, Calcutta.
CALCUTTA SCHOOL BOOK AND USEFUL LITERATURE SOCIETY, Calcutta.
THE WELDON LIBRARY, 18/5, Chowringhee Road, Calcutta.
M. C. SIRCAR & SONS, 75, Harrison Road, Calcutta.
THE ASSOCIATION PRESS, Calcutta.
THE PROPRIETOR, INTERNATIONAL BUDDHIST BOOK DEPÔT, 4, Chaudney Chowk, 1st Lane, Calcutta.
A. J. COMBRIDGE & Co., Bombay.
THACKER & Co., LTD., Bombay.
D. B. TARAPOREVALA, SONS & Co., Bombay.
RADHABAI ATMARAM SAGOON, Bombay.
SUNDER PANDURANG, 25, Kalbadevi Road, Bombay.
RANCHANDRA GOVIND & SON, Booksellers, Kalbadevi, Bombay.
A. J. COMBRIDGE & Co., Madras.
HIGGINBOTHAM & Co., Madras.
V. KALTANARAM IYER & Co., Madras.
G. A. NATESAN & Co., Madras.
S. MURPHY & Co., Madras.
THOMPSON & Co., Madras.
TEMPLE & Co., Madras.
RAI SAHIB M. GULAB SINGH & SONS, Lahore.
THE PROPRIETOR, NEWAL KISHORE PRESS, Lucknow.
N. B. MATHUR, SUPERINTENDENT, NAZAR KANUN HIND PRESS, Allahabad.
A. H. WHEELER & Co., Allahabad, Calcutta and Bombay.
SUPERINTENDENT, AMERICAN BAPTIST MISSION PRESS, Rangoon.
MANAGER, GENERAL BOOK DEPÔT, Nagpur and Jubbulpore.
THE MANAGER, "The Hitawad," Nagpur.
A. M. & J. FERGUSON, Booksellers, Ceylon.
RAJ S. C. TALUQDAR, Proprietor, Students & Co., Cooch Behar.
THE STANDARD BOOKSTALL, Karachi.
KARSANDAS NARANDAS & SONS, Surat.
MONSHI SEETA RAM, Managing Proprietor, Indian Army Book DEPÔT, Juhi, Cawnpore.
THE PROPRIETORS, New Kitabkhana, Poona.

No. 2327-D.

FROM

H. R. CROSTHWAITE, ESQ., C.I.E., C.B.E., M.L.C.

DIRECTOR OF INDUSTRIES,

Central Provinces.

TO

THE SECRETARY TO GOVERNMENT.

COMMERCE AND INDUSTRY DEPARTMENT.

Central Provinces

Nagpur. the 7th September 1922.

SIR,

I have the honour to submit, herewith the Report for 1921-22 on the Central Museum, Nagpur

I have the honour to be.

Sir.

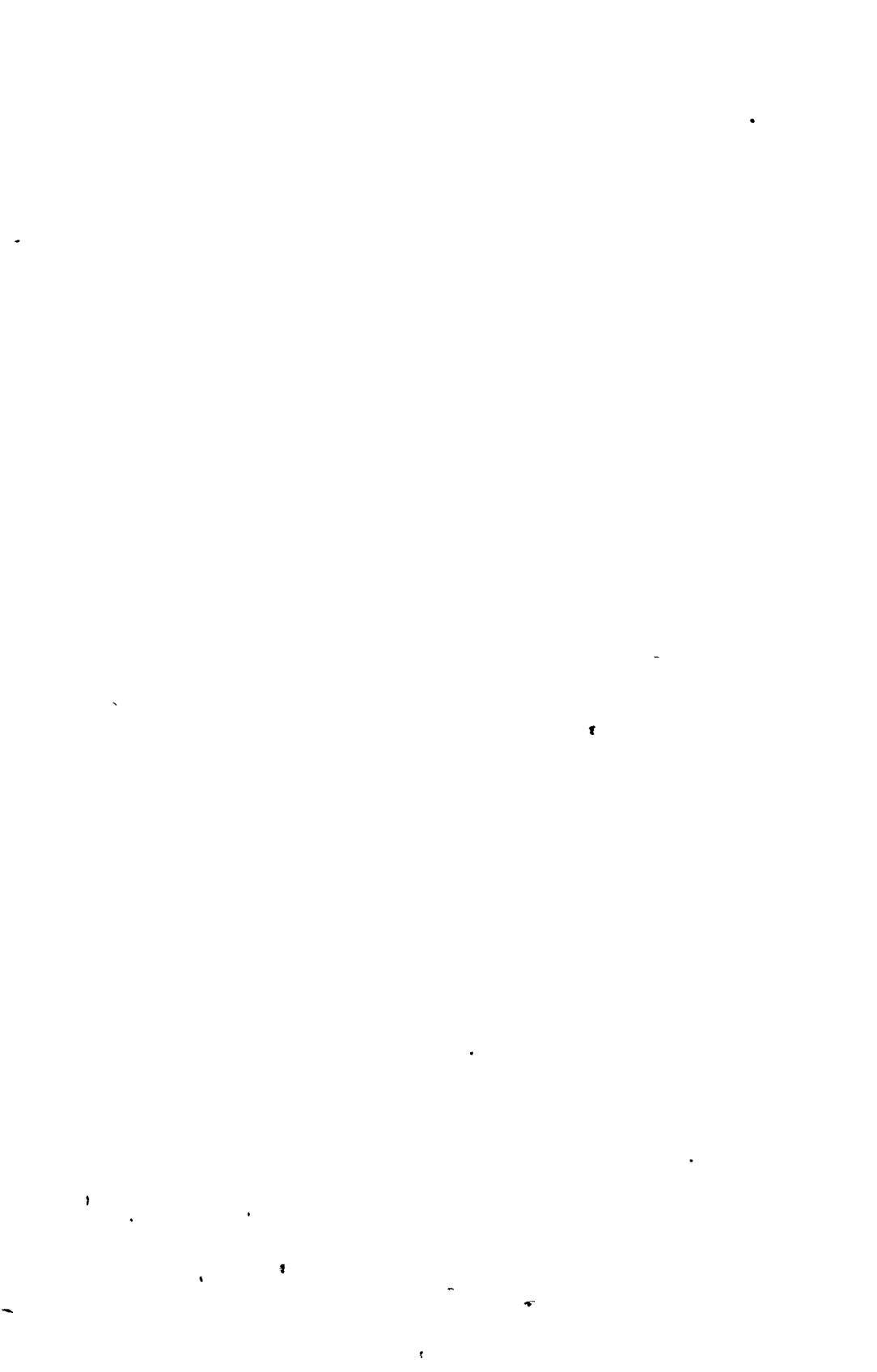
Your most obedient Servant

H. R. CROSTHWAITE

Director of Industries,

Central Provinces

Enclosure—
Report,



REPORT OF THE CENTRAL MUSEUM, NAGPUR, FOR THE YEAR 1921-22.

I.—FINANCE.

The opening balance at the credit of the Museum on the 1st April 1921, was Rs. 3,886-1-11 (Appendix A). The donation made by Government for the year was Rs. 2,953-0-0, the amount credited into the Treasury was Rs. 118-2-0 bringing the total to Rs. 6,957-3-11.

The expenditure incurred under "contingencies" amounts to Rs. 3,223-5-1, including salaries and travelling allowances of servants and contingencies. The year closed with a balance of Rs. 3,733-14-10. The total expenditure on the salaries and allowances of the permanent staff was Rs. 4,306-7-1.

II.—VISITORS.

The total number of visitors counted at the turnstiles for the year was 218,627 (males 151,172 and females 67,455) against 199,115 in the previous year. The Curator of the Patna Museum was a visitor on the 25th and 26th March 1922.

III.—GENERAL ARRANGEMENTS.

During the year the building was fitted with electric lights and fans. The old industrial and art section was overhauled and a number of useless exhibits removed. The ethnological collection of Gond articles was removed from the west wing into the central hall and the textiles were re-arranged in the west wing.

IV.—BUILDING.

Plans have long been ready for the extension of the building. A room 60' x 30' is wanted for a commercial section and emporium. This will help the other sections in the Museum to develop.

V.—ARCHÆOLOGICAL SECTION.

The most important addition to this section was an inscribed wooden pillar 12½ feet long found in the bottom of a tank at Kirari in the Chandrapur Zamindari of the Bilaspur

district. The type of letters used in the inscription fixes its date between the 1st and 3rd centuries A. D. A copy of the inscription made by a pandit at Kirari when the pillar was first found has been obtained, but when the Coin Expert went to Chandrapur to treat the pillar and to bring it away he found only about 1 foot of the inscribed portion left on it. While at Chandrapur the Coin Expert also procured through Mr. L. P. Pandaya of Balpur two old iron spears exposed by the cutting away of the bank of the Mahanadi. Mr. Pandaya has presented an old steatite drinking vessel and two minute gold rings (bal munias) found in the Mahanadi.

A copper plate in two parts belonging to the period of the Haihayavanusi kings was received from the Deputy Commissioner, Raipur, and is being described by Rai Bahadur Hiralal in *Epigraphia Indica*.

In accordance with the Local Government's orders seven Jain images which have been many years in this section were given to the Jain community. These were removed with much ceremony on the 3rd October 1921.

Numismatics.—The collection in the coin cabinet was increased by 144 coins received from various sources as detailed in Appendix B. A descriptive list of the coins—Appendix C—has been prepared which includes a number of unique and rare coins. *viz.*, Nos. 3 to 6 and 12 to 15, of part I, and Nos. 6, 35, 43, 49, 102 and 103 of part III.

VI.—GEOLOGICAL SECTION

The collection of mineral types—the economic minerals, the rocks and the fossils were re-numbered and catalogued. A fine specimen of stalactitic limestone was obtained from Ramtek, and a few additions made of coal, copper-ore from Betul, manganese, etc. A few echinoderms from Dwarka were presented. Many of these exhibits were provided with new labels.

Messrs. H. F. Cook and Sons, Katni, sent samples of limestones and bauxites for exhibition and Olpherts Paints and Products Limited, Katni, sent 16 samples of their metallic paints.

VII.—ZOOLOGICAL SECTION.

Mammals.—The black ape which was one of the great attractions in the Maharaj Bagh menagerie died and has been mounted and given a place in the mammal gallery. A good specimen of a four-horned antelope was added.

Birds.—Two groups of herons and rails amongst natural surroundings have been prepared and placed on exhibition and the following birds new to the collection have been obtained :—

Steppe Eagle.
Bonelli's Eagle.
Lesser Florican.
Night Heron.
Flamingo.

The egg collection was re-labelled and has been improved chiefly by exchange through the energies of Mr. D. MacArthur. New clutches to the collection are as follows :—

Tickle's Flower-pecker.
Indian Sand Martin.
Rufus-bellied Babbler.
White-browed Bulbul.
Pied Kingfisher.
Black-headed Oriole.
Indian Pitta.
Purple Moorhen.
Coot.
Black Partridge.
Peafowl.
Rock horned Owl.

A hand-list of the birds of the Central Provinces is in preparation and a bird calendar for the Central Provinces is desired by local bird-lovers, one of whom has supplied considerable data from four central districts.

Reptiles and Fish.—A chart showing how to tell whether a snake is poisonous, and a mounted specimen of the fish *Pangasius bichanani* from the Mahanadi have been introduced into the galleries.

The cabinet collection of specimens in alcohol has been overhauled and systematically arranged in a dark corner at one end of the work room.

VIII.—ENTOMOLOGICAL SECTION.

The insect gallery was increased by seven compartments depicting named local forms of diptera, rhynchota, and arachnida. The cases devoted to rhynchota dealt with land and aquatic bugs and also plant lice with representations of the

families *Pentatomidæ*, *Coreidæ*, *Lygæidæ*, *Hydrometridæ*, *Belostomidæ*, *Reduviidæ*, etc. The case devoted to the phytophthires shows plant lice, scale insects and also the lac insect.

A preparation showing the terminology of the hard parts of a bug and diagrams showing the venation of an ideal insect's wing and of a lepidopterous wing have also been added.

The gallery has also been enriched by coloured plates showing pests of the cotton, rice and wheat plants and other lepidopterous pests.

The display of the arachnida consists of local scorpions, typical spiders and the solifugæ. Only one consignment of insects was sent out to specialists for identification, but two were received which had been sent out in previous years. The cabinet collection has been increased and most of the scorpions in the Museum have been identified.

IX.—INDUSTRIAL AND ART SECTION.

Much time had to be devoted to this section this year. The whole collection has been re-catalogued, re-labelled and re-arranged, a large number of useless exhibits weeded out, but it is still far from satisfactory. It is hoped that when a new room has been added to the building all specimens of commercial importance will be removed from this section which could then be entirely devoted to ethnology, art and archæology.

The changes at present effected consist chiefly of bringing together articles of a like nature and their correct labelling.

One case has been arranged with local pottery and another devoted only to exhibits from the potteries of Jubbulpore. Another case contains lacquered ware with a model of a lac factory showing the various processes gone through. Another case contains agricultural models. The wood carvings and stone work have been removed to one end of the room and have been labelled.

The gold and silver work has been brought together and labelled and the same has been done with all the musical instruments which now occupy a bay in one of the central cases.

X.—ECONOMIC SECTION.

The timber specimens and the fibres have been sorted out and short descriptive labels have been added to the former. Through the Director of Agriculture 49 samples

of typical agricultural products of the provinces and also 21 samples of local fodder, thatching, and oil-producing grasses were received.

It is hoped shortly to have all local forest products on exhibition.

XI.—EMPORIUM.

An emporium for the exhibition and sale of cottage industry products was opened in May in the central hall. No funds were available for the purchase of suitable show-cases but some miscellaneous cases not in use were assembled and used to the best advantage. The arrangement is not satisfactory as many goods cannot be displayed but have to be hidden away, so that the visitor does not gain a correct impression of the quantity and variety of the goods stocked.

The object of this emporium is to increase the sale of village products, not only to the extent that goods can be sold there but by introducing new lines and new makers to shop-keepers and those in a position to buy in large quantities. This aim has been achieved; several dealers in Nagpur now stock new lines as a result of what they have seen in this emporium. A directory of cottage manufactures giving the names and addresses of the makers has been compiled and is being printed. It is hoped this will increase the trade in these goods.

XII—EDUCATIONAL.

The following sets of specimens were given free of charge to other institutions or school museums for educational purposes : —

- (1) A set of 20 named minerals and rocks to St. Joseph's Convent High School, Nagpur.
- (2) A set of six mounted birds to the Normal School, Raipur.
- (3) A set of two mammals, nine birds, one reptile and one fish to St. Marys' High School, Mhow.
- (4) A set of 34 birds and two mammals to the Deputy Chief Scout, Boy Scouts' Association, for demonstration work to scout-masters.

At the request of the Deputy Chief of the Boy Scouts' Association a lecture was given in July to a party of scout-masters on the birds of the Central Provinces. How to

recognize poisonous snakes and disease-carrying flies was demonstrated by means of specimens to a few students of the Robertson Medical School in March. A party of school-boys from Akola were taken round by the Coin Expert in October. As usual a number of animals, chiefly reptiles and mammals, have been sent to the Museum for identification.

Tours.—Collecting trips were made in the Bhandara and Hoshangabad districts and the Pendra Zamindari during the winter months. The Coin Expert also toured in Chandrapur Zamindari, Raigarh State, and visited Hoshangabad and Bilaspur in connection with archæological work.

M. A. SUBOOR,

Officiating Curator.

APPENDICES.

APPENDIX A.

Receipts and Charges under Contingencies, including Servants paid from Contingencies and Travelling Allowance under the same head during the year ending 31st March 1922.

Details.	Actuals.	Total.	Remarks.
	Rs. a. p.	Rs. a. p.	
<i>Receipts.</i>			
Opening balance on 1st April 1921	3,886 1 11		
Allotment for 1921-22	2,953 0 0		
Amount credited into Treasury	118 2 0		
Total	...	6,957 2 11	
<i>Expenditure</i>			
Miscellaneous and other contingent expenditure, including salaries and travelling allowance of servants paid from contingencies	3,223 5 1	3,223 5 1	
Total	...	3,733 14 10	Balance on 31st March 1922.

APPENDIX B.

Statement showing the number of Coins received for the Coin Cabinet during the year ending 31st March 1922.

Donor.	Gold.	Silver.	Copper.	Billon.	Lead.	Mixed metal.	Total.	Remarks.
Director of Industries, Central Provinces, Nagpur.	22	103	...	...	...	...	125	
Director-General of Archaeology in India (through Indian Museum, Calcutta).	...	5	12	...	...	...	17	
Sardar Museum, Jodhpur	...	1	...	...	...	...	1	
Assistant Secretary to the Government of Bengal, Calcutta.	...	1	...	...	...	...	1	
Total	22	110	12	...	...	...	144	

APPENDIX C.

*List of Coins received for the Coin Cabinet of the Central Museum, Nagpur,
during the year 1921-22*

I - OTHER THAN MUHAMMADAN COINS.

Serial No. and metal.	No. of coins	Obverse.	Reverse	Year and date.	Donor.	Locality where found.	
1	2	3	4	5	6	7	
1	1	<p>PAKUA OR PAKORÉS.</p> <p><i>Indo-Parthian King of Sisdu and Arachosia.</i></p> <p>Bust of king, diad. and beard- ed 1, with chignon head dress of late Parthian form; legend worn out.</p> <p><i>Sates Meges, the Nameless king, anonymous ruler or (rulers) contemporary with Kadphises II, connected with Indo-Parthians.</i></p>					<p>Indian Museum, Calcutta.</p> <p>70—5 A.D.</p> <p>Purchased by the Director- General of Archaeology in India.</p>
2	1	<p>Bust of king, r., diad. and radiate, in Parthian style; his right hand grasps a sceptre; behind, the charac- teristic mon.</p>					<p>Indian Museum, Calcutta.</p> <p>About 100 A.D.</p> <p>Purchased by the Director- General of Archaeology in India.</p>

I.—OTHER THAN MUHAMMADAN COINS.—(Contd.)

Serial No. and metal.	No. of coins.	Obverse	Reverse	Year and date	Donor	Locality where found.
1	2	3	4	5	6	7
3 & 4 A'	2	<i>Punch-marked.</i>				
5 & 6 "	2	Punch-marks	Blank	...	Director of Industries, Central Provinces, do.	Akola.
7 AR	1	Do.	do.	...	do.	Bilaspur.
		<i>Shapur II, Sassanian Dynasty / Persia.</i>				
	1	Bust of king r., bearded short with pendants; crown three-pointed, with globe legend beginning in front of face, difficult to read.	Fire altar with indication of bust in flame; on each side an attendant with scepter, turned towards altar. No legend I.M.C. I. p. 224-4.	...	Indian Museum, Calcutta.	Purchased by the Director-General of Archaeology in India.
		<i>Mediæval, Indo-Sassanian, later Hin imitation.</i>				
8 "	1	Rude bust of king, no legend.	Very rude fire altar, no legend.	1,000 A.D.	Indian Museum, Calcutta.	Purchased by the Director-General of Archaeology in India.
9 "	1	<i>Gadhatva currency.</i>				
	1	Rude imitation of Sassanian bust r., meaningless lines and curves.	Lines and dots suggesting the Sassanian fire altar.	750-1100 A.D.	Jodhpur Durbar	Jodhpur State.

30 & 11 A'	2	<i>Kalachuri Dynasty of Dahalaa (Jabalpur)</i> <i>Gangaya Deva.</i>	Three lined tengend in bold characters covering face of coin (1) <i>Sri mad Ga (2) ngeya de (3) va.</i>	About 1015-40 A.D.	Director of Industries, Central Provinces.	Bilaspur.
12 to 15 "	4		Three line legend, not properly distinct (1) <i>Sri mad (2) Gangaya (3) deva.</i>	do.	do.	do
16 & 17 "	2	<i>Haihaya Dynasty of Chhattisgarh.</i> <i>Prithvi Deva.</i>	Two lined legend in bold, late script. (1) <i>Sri mad Pri (2) thai deva.</i>	1140-60 A.D.	Director of Industries, Central Provinces.	Bilaspur.
18 & 19 "	2 small.		Do.	do.	do.	do.
20 & 21 "	2	<i>Jajalla Deva.</i>	Two lined legend in script (1) <i>Srimaj Ja (2) jalla deva.</i>	1140-60 A.D.	Director of Industries, Central Provinces.	Bilaspur.
22 & 23 "	2 small.		Do	do.	do.	do
24 & 25 "	2	<i>Ratna Deva.</i>	Two lined legend (1) <i>Sri mad Ra (2) tna deva.</i>	1175-90 A.D.	Director of Industries, Central Provinces.	Bilaspur.
26 & 27 "	2 small.		Do.	do.	do.	do

I.—OTHER THAN MUHAMMADAN COINS.—(Could)

Serial No. of metal.	No. of coins.	Obverse.	Reverse.	Year and date.	Donor.	Locality where found.
1	2	3	4	5	6	7
HINDU COINAGE OF KASHMIR.						
UTPALA DYNASTY.						
<i>Sankaravarman.</i>						
28	Æ	1	Seated goddess to r. Sa ... Standing king barely recognizable; to l. <i>Varma.</i>	883-902 A.D.	Indian Museum, Calcutta.	Purchased by the Director-General of Archaeology in India.
<i>Sugandha Ra i.</i>						
29	"	1	Goddess, legend l. <i>Sri, r. King Sugandha</i>	504-6 A.D.	Indian Museum, Calcutta.	Purchased by the Director-General of Archaeology in India.
<i>Partha.</i>						
30	"	1	Goddess; l. <i>Sri, r. Partha</i> ... King, legend wanting	604-21 A.D.	Indian Museum, Calcutta.	Purchased by the Director-General of Archaeology in India.
FIRST LOHARA DYNASTY.						
<i>Sangrama.</i>						
31	"	1	Goddess; l. <i>Sa</i> ; r. <i>ngrama King, r. jada</i> (ra.)	1023-28 A.D.	Indian Museum, Calcutta	Purchased by the Director-General of Archaeology in India.

32	Æ	<i>Ananta.</i> Goddess; l. <i>A</i> , r. <i>nanta</i> (va). King; r. <i>ja De</i> (va)	...	1023-63 A. D.	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.
33	"	<i>Kalasa.</i> Goddess; l. <i>Ka r. lasa</i> (va). King; r. <i>ja deva</i> .	..	1069-89 A. D.	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.
34	"	<i>Harsha.</i> Goddess; l. <i>Ha</i> , r. <i>rsha</i> (a). King; r. <i>deva</i> (a).	..	1089-1101 A. D.	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.
35	"	<i>Jagdeva.</i> Goddess; l. <i>Ja r. ga</i> . King; r. <i>deva</i>	...	1158-1214	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.
36	"	<i>Samanta deva</i> Recumbent bull l. (Sri) Debased horseman as on <i>Sama</i> (nta) above. coins of Ohind. I. M. C. I. pl: XXVII. - 18	..	About 1300 A. D.	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.
37	"	<i>Apurva Chandra Deva.</i> Two-lined legend (1) Sri Debased horseman <i>Apurva</i> (2) <i>Chandra</i> (?) im- perfect.	..	About 1345-60 A. D.	Indian Museum, Calcutta.	Purchased by the Director- General of Archaeology in India.

1.—OTHER THAN MUHAMMADAN COINS.—(Concl'd.)

Serial No. and metal.	No. of coins.	Obverse.	Reverse.	Year and date.	Donor.	Locality where found.
38	2	<p>NEPAL COINAGE.</p> <p><i>Rajendra Vikrama.</i></p> <p>Square, with openings r. l.; central circle enclosing and bottom; central circle dagger with wreath and enclosing trident, above <i>sri Bhairavi</i>. Marginal square moon, <i>Sri</i> and sun, legend in ornaments. below 1743 (Saka ~ 1824 A. D.) Legend in square <i>Sri Sri Rajendra Vikrama Sahas Deva</i>; ornaments on margin.</p>				
39	1	<p>ASSAM COINAGE.</p> <p><i>Gaurinatha Simha.</i></p> <p>(1) <i>Sri Sri Gau</i> (2) <i>si natka</i> (3) <i>da Parasya</i>; (coin) of King Gaurinatha Simha intent on the feet of Hara and Gauri.</p>				
40	1	<p><i>Travancore State.</i></p> <p>Crecent with 8 (8) pellets; Nandipada symbol three-leaved spray.</p>				

II.—PATHAN SULTANS AND THEIR CONTEMPORARIES.

Serial No. and Metal.	No. of coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
1 R.	1	سلطان العهد والزمان الواق بن محمد الرحمن ابو المظفر	<i>Rahmani.</i> FIROZSHAH. In square. تاج الدنيا والدين فيروز شاه السلطان <i>Margins.</i> Left بجھڑت Right احسان باد Bottom ۸/۸	Ahsanabad.	818, 1. M. C. Vol. II, No. 5	Director of Industries, C. P.	Damoh.

III.—MUGHAL EMPERORS.

Serial No. and metal.	No. of coins.	Obverse.	Reverse.	Mint.	Year and date (H. jr.).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
1 R.	1	In double circle containing one of dots on flowered field. سکھ لاهور باد اہورو ۱۸ ۱۰۳۲	JAHANGIR. On flowered field. شاہ اکبر نور زنگی ز نام شاہ جہا ۱۰۳۲	Lābōr	18—1032	Director of Industries, C. P.	Danoh.
2 "	1	On flowered field ۱۰۲۶ قند ہار شہ دلخواہ	In double circle, on flowered field. شاہ اکبر ۱۲ شاہ سنہ زنگی از جہا	Gandhār	12—1026	"	Scon.

3	1	In square, with loops at the corners, the Kalimā. <i>Margins.</i>	SHAH JAHAN. In square, with loops at the corners.	Akbarnagar.	8-1045	Secretary to Govt. of Bengal, Calcutta.	Birbhum.
		Top و صدق ایچا بکر	باد شاه غاز	شاه جهان			
		Right و عدل عمر		<i>Margins.</i>			
		Bottom پا زرم عثمان		شهاب الدین			
		Left و علم علی		محمد صاحب			
		۱۰۳۵ in left margin and square.		قران ثانی			
				ضرب اکبر نگر			
				باد شاه غاز	6-1042		Damoh.
				شاه جهان			
				محمد			
				۱۰۳۲			
				شهاب الدین			
				في			
				صاحب قران ثا			
4	1	In double circle containing one of dots, the Kalimā, and	ضرب جهانگیر نگر س	Jahangir-nagar.			

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and metal.	No. of coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
5 A.	1	In square with loops at the corners, the Kalima. Margins as on No. 3, but beginning from the bottom and ۱۰۵۲ over عدل	As on No. 3, but year wanting.	Junāgarh.	—1052	Director of Industries, C. P.	Damoh.
6 "	1	On flowered field the Kalima.	On flowered field. دين (۹) باد سکه شاه جهان ت	Sûrat.		"	"
7 "	1	On flowered field, the Kalima, below. ب ۲ ضررتہ الہی سے سنہ خورداد ماہ	On flowered field. ضرب سور بادشاہ غاز شاه جہان ۱۰۳۸ محمود شہاب الدین صاحب قرآن ثانی	Tetta.	2—1038 Khurdad.	"	"

8	"	اورنگ زیب عالم گیر شاہ	AURANGZEB	Ahmadabad,	23—1090	"	Hoshangabad.
9	"	زند چو بد ر منیر سک ۱۰۹۰ در جهان عالم گیر ۱۱۰۹ اورنگ زیب شاہ	ب ضر احمد آباد " and ضرب احمد آباد	"	41—1109	"	Buldana.
10	"	زند چو بد ر منیر سک در جهان	As on No. 9, but ۱۱۱۷	Ahmadabad.	50—1117	"	Hoshangabad.

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and metal.	No. of coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
11.	1	ابولطف مسیحی الدین ۱۰۷۵	احمد نگر ضرب جلوس مہمنت مانوس	Ahmadnagar.	—1075	Director of Industries, C. P.	Hoshangabad.
12	1	As on No. 9, but ۱۱۱۵	As on No. 9, but ۳ x and. احسن آباد	Ahmadnagar.	4 x —1115	"	"
13	1	" ۱۱۱۸	" ۵۱ but	"	51—1118	"	"
14	1	" ۱۱۰۷ below ننگ	" ۳۹ and بریلی	Barclif	39—1107	"	"

15	"	1	"	1114	but نگ	in	"	۳۹	but	"	"	49-1116	"	"
16	"	1	"	1118	but	"	"	۵۰	but	"	"	50-1118	"	Bhandara.
17	"	1	"	As on No. 9, 1091	but	"	As on No. 8, ۲۳	پیچا پور and	but	"	Bijapur	24-1091	"	Hoshangabad.
18	"	1	"	1101	but	"	مانوس میمنت جلوس دارا لظفر ۳۳ ضرب پیچا پور	۳۴	"	"	"	33-1101	"	Damoh.
19	"	1	"	1103	but	"	"	۳۴	"	"	"	36-1104	"	Hoshangabad.
20	"	1	"	date over	but منبر	"	As on No. 9, but ۳۴	and جہا زنگیر نگر	"	"	Jahangir- nagar.	36-1104	"	"
21	"	1	"	As on No. 20, 1112	but	"	As on No. 20, ۳۳	but	"	"	"	44-1112	"	Saugor.

III—MUGHAL EMPERORS.—(Contd.)

Serial No. and metal.	No. of coins.	Obverse.	Reverse	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
22 R.	1	As on No. 20. but ۱۱۱۶ in ننگ	As on No. 9. but ۳۹	Jahangir-nagar.	49—1116	Director of Industries, C. P.	Hoshangabad.
23 "	1	" but ۱۱۱۸	" but ۵۱ and بنیاد خسته	Khujistabun-yad.	51—1118	"	"
24 "	1	" but ۱۰۹۳	" but ۲۶ and ملتان	Multan.	26—1094	"	Damoh.
25 "	1	" but ۱۱۰۱	" but ۳۳ and نارنول	Narnol	33—1101	"	Hoshangabad.
26 "	1	" but ۱۱۰۲	" but ۳۵ and سهرند	Sahrind (Sahrind on coin).	35—1102	"	"
27 "	1	" but ۱۱۰۲	" but ۳۶	"	36—1104	"	Damoh.

Hoshangabad.

"

41-1109

Shahjahān-
bād *Darul*
Khilafat.

فہ جہا آباد
دارالخلا شاہان
ضرب
جلوس میمنت مانوس
۲۱
سنہ

KAM BAKHSH.

Absarabad.

Ahd — 1119

"

مانوس
میمنت
احد
سنہ جلوس
ضرب
احسن آباد

but

"

۱۱۰۹

28

دین پناہ

باد کام بخشش

۱۱۱۹

ساہ

پر خور شید و ماہ

سک

دکن زد

29

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and metal.	No. of coins.	Obverse,	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
30	1	SHAH ÂLAM BAHADUR.					
		بادشاہ غازے	احمد زنگر				
		۱۱۲۰	ضرب				
		عالم بہادر	سنہ ماہ نوں				
		شاہ	میمنت				
		سکہ [مبارک	جلوس				
31	1	.....	جلوس ماہ نوں				
		بادشاہ	میمنت				
		بہا	مستقر الملک				
		شاہ عالم در	ضرب				
		سکہ مبار	.....			
				Akbarâbâd.	3—	"	"
				Mustaqirru-l-mulk.			
				Almainagar.	3—1120	Director of Industries, C P.	Damoh.

32 "	1	شاہ عالم بادشاہ غاز ک مبار..... Traces of date on top.	ما نوس مہینہ سنہ جلوس ب ضوالہ آباد	Alahabad.	5 -	"	Bilaspur.
33 "	1	بادشاہ غاز ۱۱۲۲ عالم بہادر ک سکر مبار	" year missing and ضرب ارکات	but Arktit.	--1122	"	Hoshangabad.
34 "	1	غازی شاہ شاہ عالم باد سکر ۱۱۲۲	" but ۲ and ۱ اقا و	Itawa.	2-1122 x	"	"
35 "	1	As No. 30, but dated under. عالم	" but میلا پور (Unique.)	Mailapur.	2-1120	"	Damoh.

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of Coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
36 R.	1	<p>باد شاه</p> <p>په سادر</p> <p>شاه عالم</p> <p>ک</p> <p>سکر مبار</p> <p>غازي</p> <p>شاه</p> <p>عالم باد</p> <p>...</p>	<p>سنه جلوس مانوس</p> <p>۲</p> <p>میمنت</p> <p>ضرب</p> <p>سورت</p> <p>مبار</p> <p>ک</p> <p>احد</p> <p>سنه جلوس</p> <p>ضرب</p> <p>دارالفتح اوجین</p>	<p>Sûrat.</p> <p>Ujjain Daru-l-fath.</p>	<p>2—</p> <p>ahd—</p>	<p>Director of Industries, C. P.</p> <p>"</p>	<p>Hushangabad.</p> <p>"</p>
37 "	1						

38	"	غازي جهاندار شاه پرمهر و ماه ابوالفتح سکه درافاق زد	JAHANDAR SHAH.	Ahmad a- nagar.	ahd--	"	"
39	"	حق فرخ مير ۱۱۲X شاه وزر باد بکرو و بر سکه فصل پرمسيم ...	FARRUKHSIYAR.	Arkat.	? 2-112 x	"	"
40	"	حق فرخ مير ۱۱X شاه وزر باد بکرو و بر سکه زد فصل پرمسيم از		Arkat.	5-11 x	"	"

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of Coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
41 AR.	2	3	4	5	6	7	8
	1	فرخ سیر بکروبر شاه حق پر سیم وزرباد فضل سکه زدا از ... سیم ... زدا از فضل حق سکه بکروبر فرخ سیر شاه ... ۲۵ باد	ما نوس میمنت س سکه جلوس اعظم نگر ب ضر ما نوس میمنت ۲ جلوس سکه عظ ضر ب ا باد	Avannagar.	5?—	Director of Industries, C. P.	Buldana.
42 "	1			Azimabad.	2—[11] 25	"	Saugor.

43 "	حق فرخ ۱۱۳۰ ارفض بادشاه بکروبر سکر زدبرسیم وزر از فضل حق شاه باد بکروبر فرخ سیر سکر زدبرسیم وزر بکروبر فرخ سیر بادشاه حق برسیم وزر فضل ۱۱۳۰ سکر زداز	مانوس میمنت ۷ سنه جلوس ب ضر بنکا پور An on No 39, but ا ق و ا	Bankapur. (rare).	7-1130	"	Damoh.
44 "			Ptawa.	2—	"	"
45 "			Gwalior.	6-1130	"	Hoshangabad.

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of Coins.	Obverse.	Reverse.	Mint	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
46	1	..... بکر و لبر فرخ شاه از فضل حق باد سکه زد لبر سیم و زر حق بکر و لبر فرخ شاه لبر سیم و زر باد سکه زد از فضل ۱۱۲۸	As on No. 45, but د and کنیا یت As on No. 39, but ۳ and مخجسته بنیاد	Kambayat.	5—	Director of Industries, C. P.	Hoshangabad.
47	1			Khujistabun-yad.	4—1128	"	"

48	...	مرشد آباد زاد از فضل حق سهر	but Mursidabad	2	Binnapur.
49	As on No. 45, but 1129	زاد از فضل حق سهر	As on No. 39, but ۶ and, شاکی لا (۹)	6-1129	Hoshangabad.
50	...	زاد از فضل حق سهر	but ۳ and چین ...	3	"

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and of Metal. Coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	7	8
51 AR.	1	رفیع الدراجا ت ہنشدہ بکھروہو ۱۱۳۱ ش بابران پوکا ت زد سک، بہمند	RAFIUDDARJAT. مانوس میمنت احد سنہ جلوس ضرب پریلی MUHAMMAD SHAH.	Bareilly. Ahd—1131	Director, of Industries, C. P.	Danab.
52 "	1	۱۱ محمد شاہ باد شاہ غاز ک سکر مبار	Ajmer Daul khair.	14—11 x *	"	Buldana

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of ins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
58 R.	1	date wanting	As on No. 57, but ۲۵	AlahAbād.	25-1155	Director of Industries, C. P.	Damoh.
59 "	1	" ۱۱۵۵	" but ۲۶	"	26-1156	"	"
60 "	1	" ۱۱۵۶	ما نوس چونت ۳ سنه جلوس ضرب ارکات crescent over ج of جلوس	Arkāt.	3-11 x x	"	Buldana.
61 "	1	" missing.	" but ۳	"	4-	"	"

62 "	1	محکمہ شاہ باد شاہ غازی مبارک	عظیم آباد ضرب جلوس میمنت مانوس ۶	6—	"	Damoh.
63 "	1	but 1152 below to the right.	" ۲۳	24—1154	"	"
64 "	1	As on No. 52, but 1157	As on No. 60, but 17 and 151	17—1147	"	"
65 "	1	but 1157	but ۲۷ and دیگر نگر	27—1157	"	"
66 "	1	محکمہ شاہ باد غازی مبارک	but ۲۹ and کنیا پت	29—	"	Huldana.

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of Coins.	Obverse.	Reverse.	Mint	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
67 A.	1	As on No. 52, but date missing.	As on No. 60, but ۶ and ۱۰۱	Kōṭā.	6—	Director of Industries, C. P.	Damoh.
68 "	1	"	As on No. 67, but ۲۲	"	22—	"	Buldana.
69 "	1	" 110X	" ۲۵ but	"	25—115 x	"	Damoh.
70 "	1	"	" ۲۶ but	"	26—115 x	"	"
71 "	1	" 11X	" ۳. but	"	30—11 x x	"	"
72 "	1	"	"	"	30—11 x x	"	Saugor.

73	"	1	"	but ۱۱۳۸	محمد آباد مہمونت ۱۸ سنہ جلوس مانوس ضرب بنارس	Mahammad- Abad Bana- ras.	18-1148	"	Damoh.
74	"	1	"	but ۱۱۵۱	" ۲۱	"	21-1151	"	"
75	"	1	"	but date missing.	As on No. 60, but ۱۹ and مرشد آباد	Mushid- Ad.	19-	"	"
76	"	1	"	"	" but ۲۶ and سوائی جی پور	Swaijpur.	26-	"	Buldana.
77	"	1	"	محمد شاہ یاد شاہ غازی ۱۱۳۳ صاحب قرآن کا نے سکہ مبارک	فہم آباد دارالخلافت ضرب جلوس مہمونت مانوس ۲ سنہ	Shahjahan- abad Darul Khila- fat	2-1157	"	Damoh.

III.—MUGHAL EMPERORS.—(*Contd.*)

38

Serial. No. and Metal.	No. of Coins.	Obverse	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
1	2	3	4	5	6	7	8
78 A.	1	As on No. 77, but 1135 below	As on No. 77, but ۲	Shahjahan- bad. <i>Dakul-Khila-</i> <i>fat.</i>	4-1135	Director of Indus- tries, C. P.	Damoh.
79 "	1	" but	" but	"	7-1137	"	"
80 "	1	1137	۷	"	9-1139	"	Saugor
81 "	1	1139	۹	"	14-114 x	"	"
		1132 over	۱۲	"	18-114 x	"	Damoh.
82 "	1	" but	" but	"	19-114 +	"	"
83 "	1	1132 x	۱۸	"			
		" but	"	"			
		1132 x	۱۹	"			

84 "	1	احمد شاه بہادر بادشاہ غازی ک سکہ مبارک	AHMAD SHAH.	Arfāt	3 —	"	Buldana.
85 "	1	غازی ۷۷ of ۱۱۶ but	جلوس مانوس میمنت احد سنہ دارالسترور ضرب برہانپور	Burhānpūr Dārus-surur (surur.)	and—1161	"	"

III.—MUGHAL EMPERORS.—(Contd.)

Serial No. and Metal.	No. of Coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri).	Donor.	Locality where found.
86	1	3	4	5	6	7	8
86	1	A. on No. 84, but 1122 over 2	جلوس میمنت سنہ ۲ مانوس متجہلی ضرب پٹن	Machhlipatan.	2-1162	Director of Industries, C P.	Damoh.
87	1	" date " missing.	A. on No 84 but کتبک and ۱ حد	Katkat	ahd—	"	Bhandara.
88	1	عائگیر بادشاہ غار ک سکھمار	مانوس میمنت ۱ حد سنہ جلوس ضرب ارکات Crescent to left of ۱ حد	Arkat	ahd—	"	Buldana.

19	1	but below	۱۱۶۹ مبارک کی	عظیم آباد ضرب جلوس مہمنت مانوس ۳	Arimahdd.	3-1169	"	Bhandara
20	1	As on No. 80, but 11۳۳	SHAH ALAM—II.	As on No 80 but ۶	"	6-1173	"	"
21	1	خاصی دین ساد عالم ۳۶	جلوس مہمنت احد سدر جلوس ضرب نہو پال	Bhagat	"	and —	"	Stung c

III.—MUGHAL EMPERORS.—(*Concl'd.*)

Serial No. and of Metal.	No. of Coins.	Obverse.	Reverse.	Mint.	Year and date (Hijri)	Donor.	Locality where found
1	2	3	4	5	6	7	8
93	1	سایه فضل حامی دین سک زد پرخت کشور	As on No. 91 but ۳۷ and روش نگر ساگر	Ravishnagar Sagar.	27—	Director of Industries, C. P.	Saugor
94	1	" but ۱۲۱۸ over کشور	" but ۳۸	"	38—	"	"
95	1	" but " ۱۲۱۸ over کشور	" but ۳۳	"	43—1218	"	"
96	1	" but ۱۲۲۰	" but ۲۲ " but ۲۵	"	44—1218 45—1220	"	"

97	"	1	"	but ۱۲۲۱	"	46-1221	"	"
98	"	1	"	but ۱۲۲۳	"	48-1223	"	"
99	"	1	"	but ۱۲۲۰	"	49-1220	"	"
100	"	1	"	but date missing	"	51	"	"
101	"	1	"	but ۱۲۲۵	"	52-1225	"	"
102	"	1	"	محمد اکبر صاحب قران غاز	[مانوس مہمنت ۶ سنہ جلوس ضرب دولتکدہ ۷ but	6- 7- 7-	"	"
103	"	1	"	"	"	"	"	"

AKBAR—II.

Dauatkada.

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